

Potential Scenarios for Reuse Evaluation
Allied Landfill (OU1)
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site

Scenario	Net Increase from FS Costs	Total Cost	Estimated Capped Footprint (acres)	Estimated Height (feet above existing grade) ^a	Excavation and Consolidation Volume (cubic yards)	Estimated Additional Backfill (cubic yards)	Estimated Offsite Disposal (cubic yards)	Number of Truck Trips	Time to Construct (years)	Net Increase from FS Costs ^b	Total Cost ^b
Alternative 1—No Further Action	-	\$120,000	0		0	-	-	0	0	-	\$120,000
Alternative 2A—Cap on Bryant and Monarch	-	\$43,000,000	48		350,000	-	-	39,000	2	-	\$43 million
Alternative 2B—Cap on Bryant	-	\$41,000,000	43	12	479,000	-	-	49,000	2	-	\$41 million
Alternative 2C—Cap with Incineration	-	\$62,000,000	43		464,000	-	15,000 ^d	50,000	2	-	\$62 million
Alternative 3—Offsite Disposal	-	\$189,000,000	0		0	-	1,600,000	150,000	5	-	\$189 million
Alternative 4—Onsite Encapsulation	-	\$136,000,000	43		1,200,000	-	500,000	116,000	10	-	\$136 million
Potential Redevelopment Scenarios ^c											
Alternative 2B (Hill)	\$14,000,000	\$55,000,000	20	74	650,000	200,000	-			\$14 million	\$55 million
Alternative 2B (Hill, T&D of Outlying Areas)	\$18,000,000	\$59,000,000	20	70	650,000	200,000	100,000			\$18 million	\$59 million
Alternative 2B (Hill, T&D of Monarch)	\$26,000,000	\$67,000,000	20	54	650,000	200,000	170,000			\$26 million	\$67 million
Alternative 2B (35-Acre Footprint)	\$6,000,000	\$47,000,000	35	16	100,000	34,000	-			\$6 million	\$47 million
Alternative 2B (35-Acre Footprint with Flat Top)	\$13,000,000	\$54,000,000	35	16	100,000	259,000	-			\$13 million	\$54 million

^a Estimated height is calculated as an average thickness distributed across the capped area. Actual thickness of consolidated material will vary with location to create appropriate grades and slopes across the entire cap.

^b These cost estimates are assumed to represent the actual installed cost within the range of -30 percent to +50 percent of the costs indicated, consistent with the feasibility study. The cost estimate has been

^c Scenarios are provided as concepts for discussion purposes only.

^d Volume is for treatment by incineration, not disposal.

Subarea	Estimated Remediation Area (acres)	Estimated Capped Area (acres)	Estimated Pullback Area (acres)	Floodplain/We tland (acres)
Former Operational Areas				
Monarch HRDL	6.8	6.0	0.8	0.8
Type III Landfill/Western Disposal/Bryant HRDL/FRDL	49	43	6	6
Western Disposal Area	13.6	10.0	3.6	3.6
Type III Disposal Area	13.2	12.0	1.2	0.8
Bryant HRDL/FRDLs	22.1	20.7	1.4	1.4
Panelyte	2	0	2	2
Panelyte Property (southern end)	1.4	0	1.4	1.4
Panelyte Marsh	0.9	0	0.9	0.9
Conrail Property	0.1	0	0.1	0.1
Former Operational Areas Total	58.1	48.4	9.7	9.3

Areas for development	Location	Acres
Hill Option	East	10-12
	North	8
Flat Option	North	4

Cost to raise 1 acre 1 acre of land 1 foot = \$40,000

Groundwater elevations range from 800 in west near MW7 to 790 to east and south